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From: David P. Halstead

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Comments:

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

P. Jin

Serial No: 08/900,220

Filed: July 24, 1997

For: Vertebrate Embryonic Patterning-
Inducing Proteins, Compositions and
Uses Related Thereto

Attorney Docket No. CIBT-P01-044

Art Unit: 1646

Examiner: M. Brannock

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[Click Here and Type Date]Date of Signature
and of Mail Deposit

Karen DiRoccoAssistant Commissioner of Patents
Washington, D.C. 20231**AMENDMENT**

Sir:

This amendment is being filed pursuant to the vacation of the restriction requirement between proteins and nucleic acids in the above application. Please enter the following amendments:

In the claims:

Please add the following new claims:

80. A polypeptide comprising a *hedgehog* polypeptide which is at least 98 percent identical to either SEQ ID No: 17 or an N-terminal fragment of SEQ ID No: 17 having a molecular weight of about 19 kD, which *hedgehog* polypeptide binds to a *patched* protein or promotes proliferation of testicular germ line cells.